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Learn  veryWare

Math 5 Unit 2

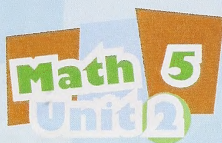


Quizzes and Tests

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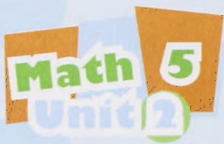
Math 5 Learn EveryWare – Unit 2 Tests & Quizzes
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Math **5**
Unit 2

Quiz
Lesson 1



**Completing
Patterns**

For 1 - 2: Complete the following patterns.

1. 2 4 6 2 4 6 ____ ____ ____ 2

2. + - - x + - - ____ ____

For 3 - 4: Find the missing elements in each table.

3.

A	B
	9
5	15
7	
9	
	33

4.

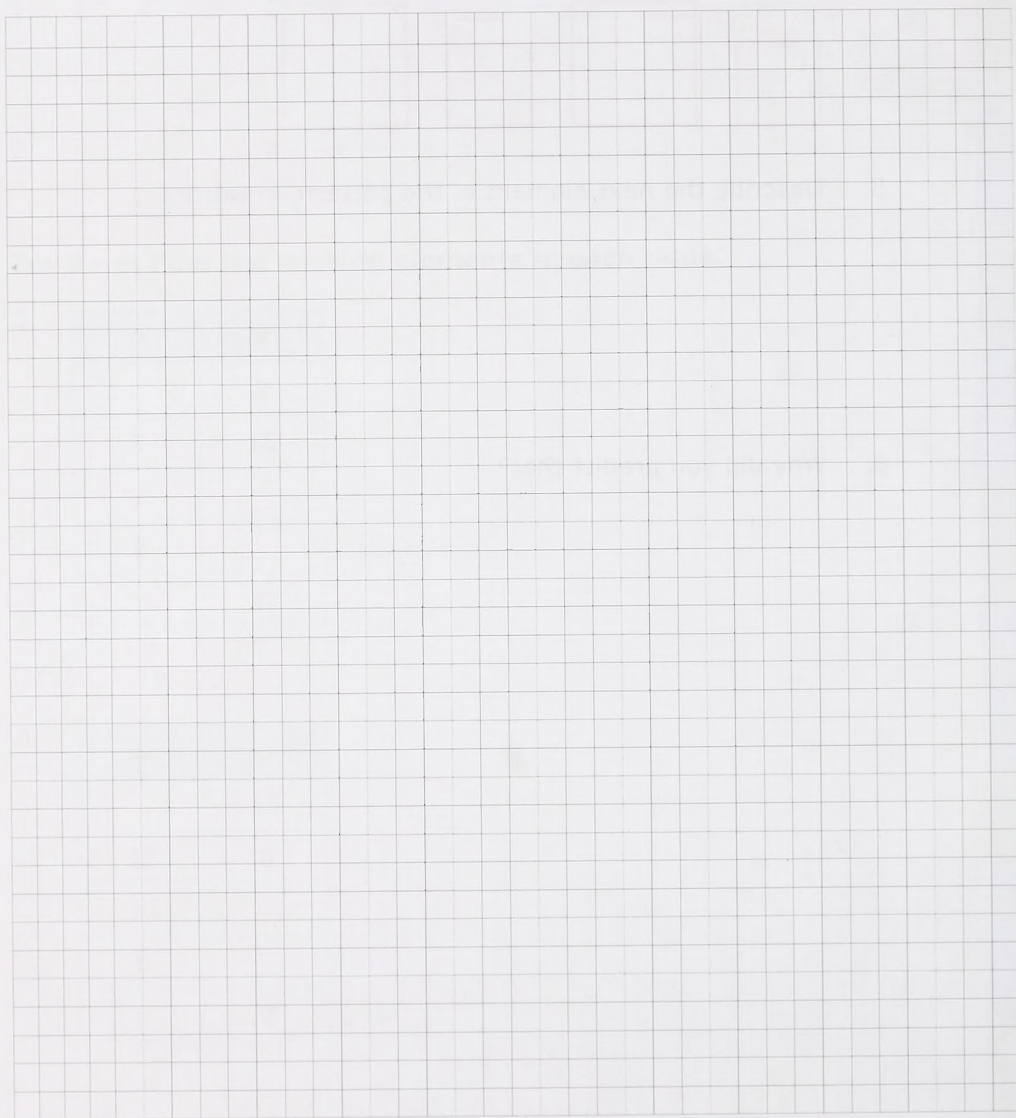
A	B
	10
12	8
10	
8	
	2

For 5 - 6: Predict the next element in the pattern.



5. Describe the next element of the pattern, in words:

6. Why did you predict that?



Math 5
Unit 2

Quiz
Lesson 2



**Describing
Patterns**

For 1 - 2: Describe following pattern:

12, 21, 30, 39, 48, 57

1. You could say:
2. You could write:

For 3 - 5: Use the table to answer the questions.

A	B
12	25
14	27
16	29
18	31
20	33

3. Describe the pattern of Column A.

You could say:

You could write:

4. Describe the pattern of Column B.

You could say:

You could write:

5. Describe the relationship of Column A to Column B.

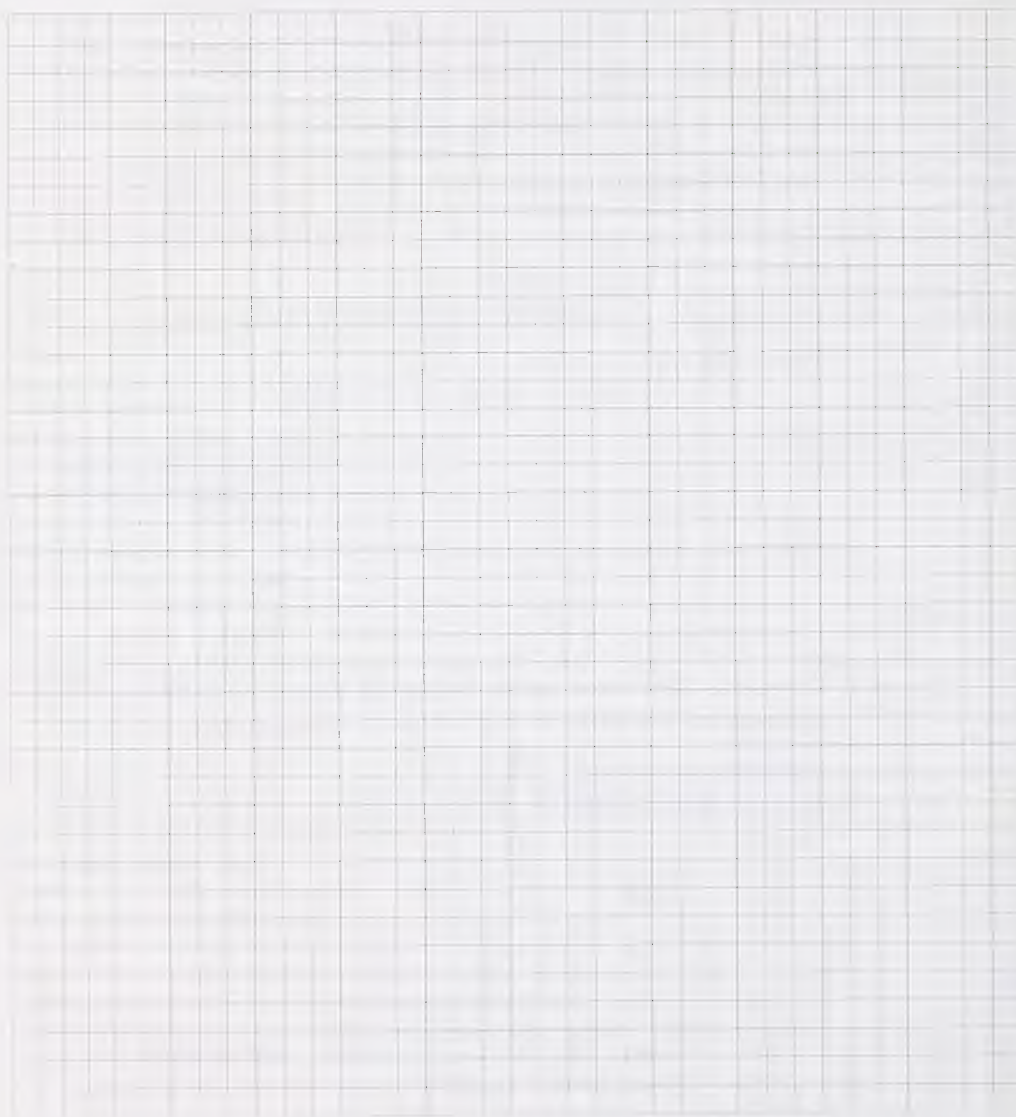
You could say:

You could write:

6. Complete the tables below and write a mathematical expression to describe the relationship between the columns.

n	Rule	
14	14	24
18	18	28
22	22	32
26	26	36
30	30	40

Mathematical expression: _____



Math 5
Unit 2

Quiz
Lesson 3



**Pattern
Rules**

For 1 - 4: Write a mathematical expression that relates A to B.

1.

A	B
1	3
2	6
3	9
4	12
5	15

2.

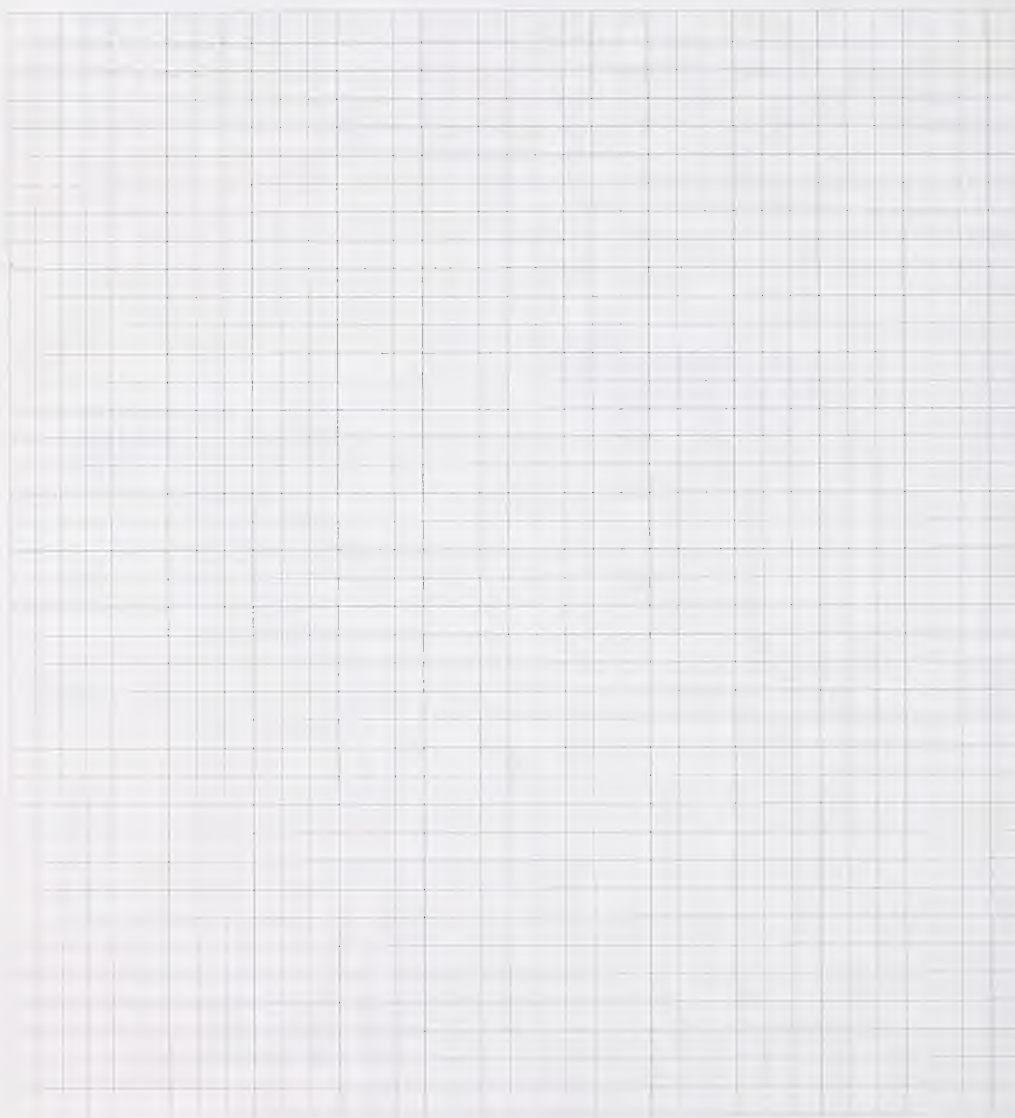
A	B
19	3
20	4
21	5
22	6
23	7

3.

A	B
23	73
24	74
25	75
26	76
27	77

4.

A	B
4	40
5	50
6	60
7	70
8	80



Math **5**
Unit 2

Quiz 1
Lesson 4



**Making
Predictions**

- | A | B |
|---|---|
| 1 | 2 |
| 2 | 5 |
| 3 | 8 |

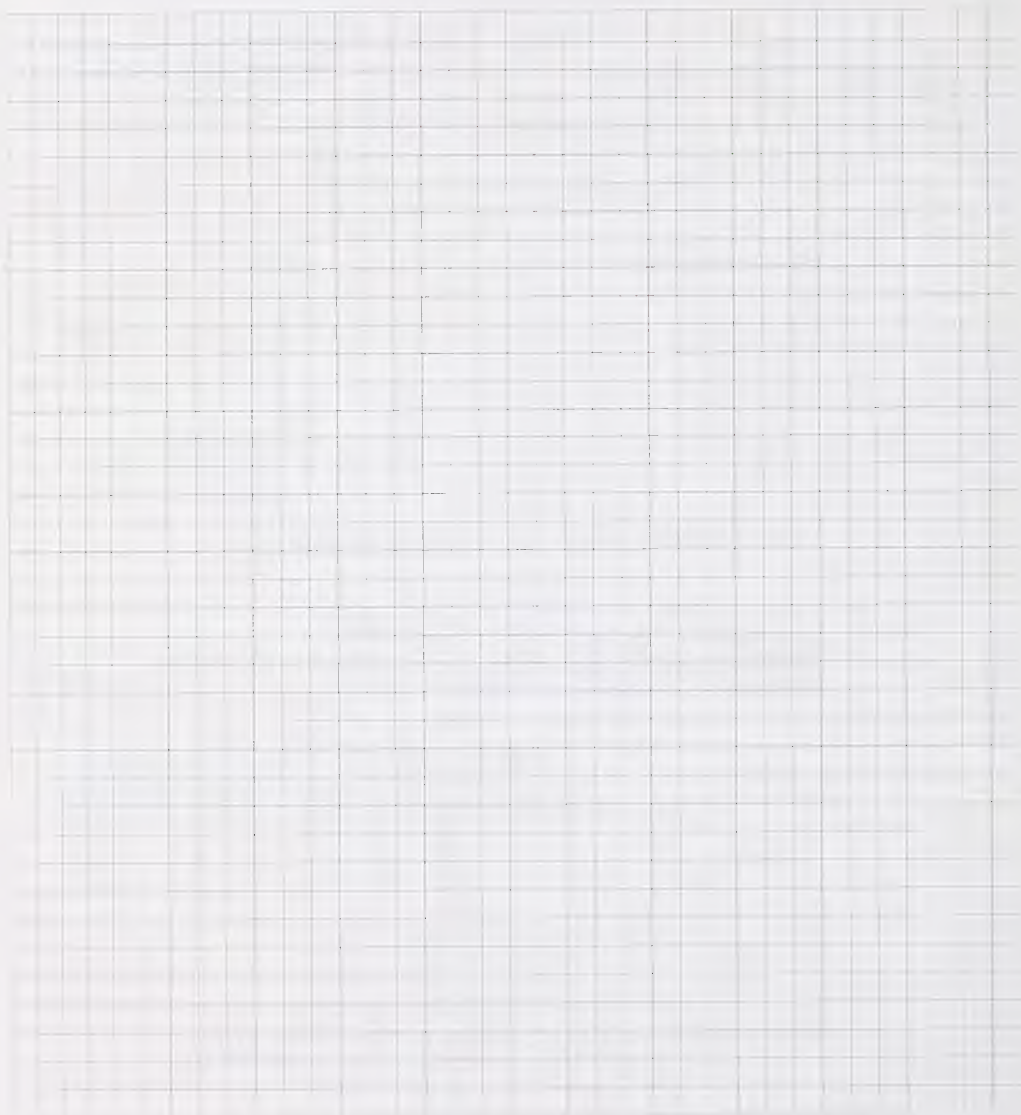
Number of Months	Saving in Dollars
1	45
2	90
3	135
4	180
5	225

2. How much money will he save in Month 6?

3. What is the rule to go from the number of months to the amount of savings in dollars?
4. How many months will it take him to save \$405?
5. Tickets for the school carnival are on sale.

Number of Tickets	Cost in Dollars
2	10
4	20
6	30
8	40
10	50

How many tickets can Daksha purchase for \$100?



Math 5 Unit 2

Test Lessons 1 - 4



For 1 - 2: Complete the following patterns.

1. 3 5 9 3 5 9 ____ ____ ____ 3

2. + - + x x + - ____ ____ ____

For 3 - 4: Find the missing elements in each table.

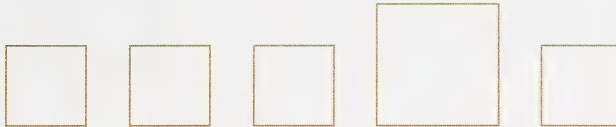
3.

A	B
	18
9	20
11	
13	

4.

A	B
	6
21	7
24	
27	
	10

For 5 - 6: Predict the next element in the pattern.



5. Describe the next element of the pattern in words:

6. Why did you predict that?

For 7 - 8: Describe following pattern:

21, 18, 15, 12, 9

7. You could say:

8. You could write:

For 9 - 11: Use the table to answer each question:

A	B
2	8
3	12
4	16
5	20
6	24

9. Describe the pattern of Column A.

You could say:

You could write:

10. Describe the pattern of Column B.

You could say:

You could write:

11. Describe the relationship of Column A to Column B

You could say:

You could write:

For 12-14: Complete the table and write a mathematical expression for the relationship between A and B.

12.

A	Rule	B
2	2	9
4		11
6		
8		

Mathematical expression: _____

13.

A	Rule	B
20	20 =	16
21	=	17
22	=	18
23	=	

Mathematical expression: _____

14.

A	Rule	B
15	15 =	25
20	=	30
25	=	35
30	=	40

Mathematical expression: _____

For 15 - 18: Write a mathematical expression that relates A to B.

15.

A	B
7	21
8	24
9	27
10	30
11	33

16.

A	B
68	54
69	55
70	56
71	57
72	58

17.

A	B
38	78
39	79
40	80
41	81
42	82

18.

A	B
4	20
5	25
6	30
7	35
8	40

For 19 - 20: Cameron is being paid for gardening jobs. His pay is in the table shown.

Number of Jobs	Pay in Dollars
2	24
3	36
6	72
7	84
8	96

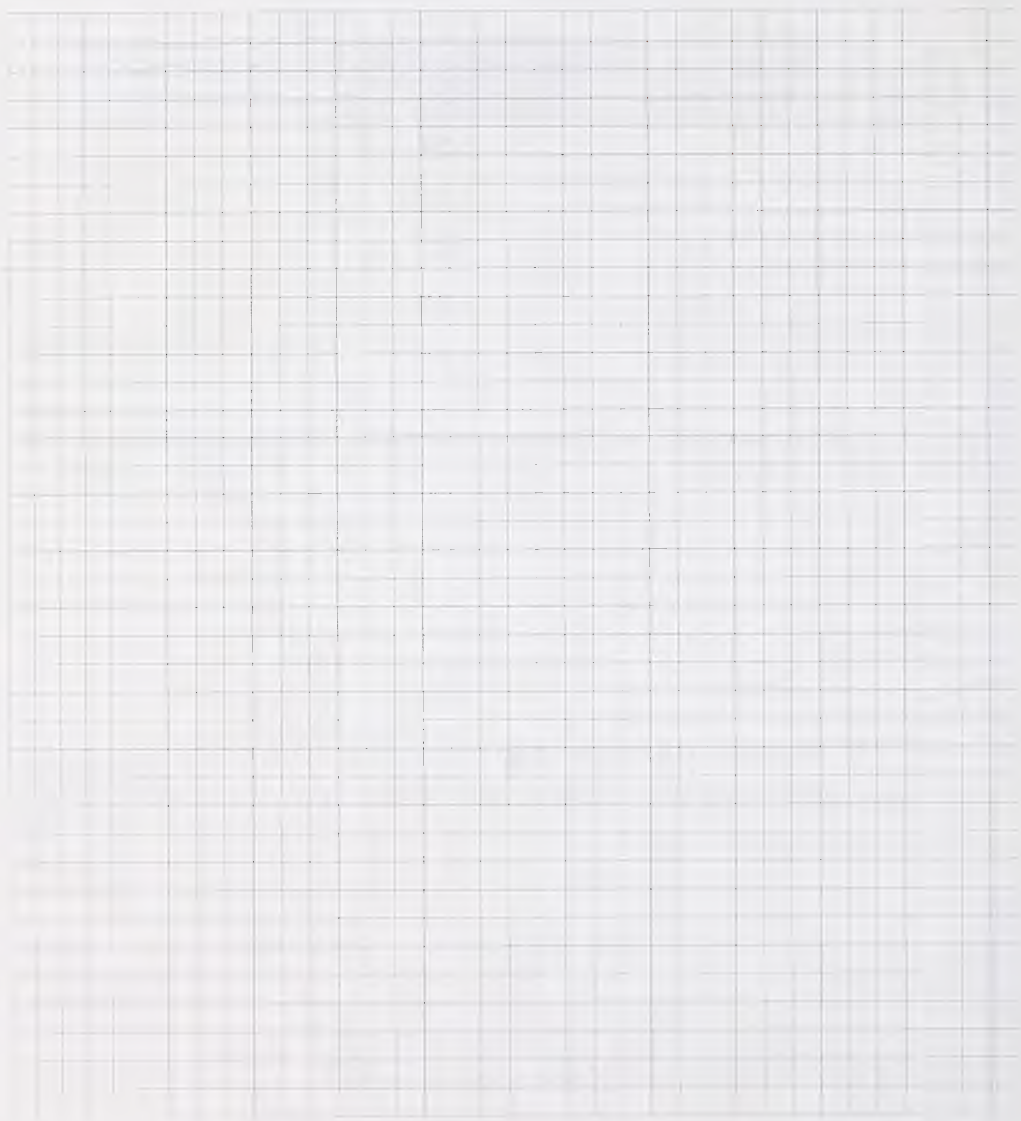
19. How much will he make for working ten jobs? How much for fifteen jobs?

20. What is the rule to translate the number of jobs to dollars of pay?

For 21 - 23: You are buying some candy for yourself and your friends. The cost of the candy is shown in the table.

Number of Pieces of Candy	Cost in Dollars
5	0.50
10	1.00
15	1.50
20	2.00
25	2.50

21. You want to buy 100 pieces of candy. How much will the candy cost?
22. You have \$12 to spend on candy. How many pieces can you buy?
23. What is the cost of one piece of candy?



Math **5**
Unit 2

Quiz
Lesson 5



Addition
Equations



Quiz
Lesson 5: Addition Equations

For 1 - 4: Solve each equation.

1. $x + 11 = 16$

2. $7 + n = 12$

3. $44 = m + 13$

4. $10 = 4 + y$

For 5 - 6: Write an equation for each sentence.

5. the sum of a number and eighteen equals fifty

6. the sum of some number and fourteen is thirty-one

Math 5
Unit 2

Quiz
Lesson 6



Subtraction
Equations



Quiz

Lesson 6: Subtraction Equations

For 1 - 4: Solve each equation and check.

1. $x - 12 = 3$

2. $v - 7 = 12$

3. $4 = b - 2$

4. $7 = h - 6$

For 5 - 7: Addition and subtraction sentences are mixed below. Write an equation for each sentence.

5. seventeen more than a number is 48

6. the difference between a number and fifty is ninety

7. fourteen less than some number equals twelve

Math

5

Unit 2

Quiz
Lesson 7



**Multiplication
Equations**



Quiz
Lesson 7: Multiplication Equations

For 1 - 4: Solve each equation and check.

1. $3x = 18$

2. $8x = 72$

3. $2m = 32$

4. $7y = 28$

5. Write an equation for the sentence: The product of five and a number is 25.

Math 5
Unit 2

Quiz
Lesson 8



Division
Equations

For 1 - 4: Solve each equation and check.

1. $n \div 5 = 6$

2. $y \div 2 = 9$

3. $m \div 8 = 3$

4. $\frac{w}{8} = 5$

For 5 - 6: Write an equation for each sentence.

5. a number divided by two equals eight

6. the quotient of a number and twelve is four

Math

5

Unit 2

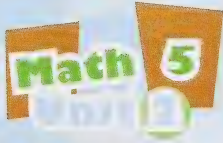
Quiz
Lesson 9



**Problem Solving
with Equations**

For 1 - 4: Define a variable, write an equation and solve each problem.

1. Daksha counted 142 pages in the book he is reading now. He wants to read another book when he finishes the first one. There are a total of 289 pages in both books he plans to read. How many pages are in the next book he will read?
 - a. Define a variable:
 - b. Write an equation:
 - c. How many pages are in the next book he will read?
2. Cameron is setting the table for dinner. There are two plates for each person coming to dinner. There are twenty plates on the table. How many people is Cameron expecting for dinner?
 - a. Define a variable:



Quiz
Lesson 9: Problem Solving with Equations

- b. Write an equation:
- c. How many people is Cameron expecting for dinner?
3. Zach grew from a height of 165 centimetres to a height of 170 centimetres. How much did he grow?
- a. Define a variable:
- b. Write an equation:
- c. How much did he grow?



Quiz
Lesson 9: Problem Solving with Equations

4. A town has three post offices. In each post office there are five workers. How many workers do the post offices have in total?
- a. Define a variable:
- b. Write an equation:
- c. How many workers do the post offices have in total?

Math 5

Unit 2

Test

Lessons 5 - 9





Test: Lessons 5 - 9

For 1 – 16: Solve the following equations and check.

1. $x + 7 = 20$

2. $8 + n = 12$

3. $y - 3 = 4$

4. $14 = h - 9$

5. $18 + j = 28$

6. $21 = v + 7$

7. $m - 8 = 15$

8. $25 = g + 10$

9. $8x = 32$

10. $63 = 9n$

11. $y \div 3 = 6$

12. $\frac{h}{4} = 5$

13. $5j = 35$

14. $54 = 6v$

15. $\frac{m}{3} = 8$

16. $20 = \frac{g}{2}$

For 17 – 20: Define a variable, write an equation and solve each word problem.

17. Nina had to mend some of her clothes. She mended twenty items in all. Seven of the items were shirts and the rest were pants. How many pants did she mend?

a. Define a variable:

b. Write an equation:

c. How many pants did she mend?



18. Seven kids shared the cost of lunch at the Sub Shop. Each kid paid \$8 for lunch. How much was the total bill?
- a. Define a variable:
 - b. Write an equation:
 - c. How much was the total bill?
19. Lian and four of her friends each have the same number of purses. Together they have twenty-five purses. How many purses do each of them have?
- a. Define a variable:
 - b. Write an equation:
 - c. How many purses do each of them have?

20. Cameron goes to the beach and sees a lot of dolphins. He counts 8 dolphins on the right side of the pier. He counts 6 dolphins on the left side of the pier. How many dolphins does he see in all?

a. Define a variable:

b. Write an equation:

c. How many dolphins does he see in all?



Test: Lessons 5 - 9

